

AMENDMENTS TO THE CLAIMS

1. – 53. (Cancelled)

54. (Currently Amended) A heat transfer composition for use in an air conditioning system having no substantial acute toxicity comprising:
 (a) at least about 50% by weight of a fluorinated propene having no substantial acute toxicity, said fluorinated propene comprising 1,1,1,2-tetrafluoropropene (HFO-1234yf); and
 (b) at least one poly alkylene glycol lubricant in the form of a homopolymer or co-polymer consisting of 2 or more oxypropylene groups and having a viscosity of from about 10 to about 200 centistokes at about 37°C
~~adjuvant selected from the group consisting of lubricants, compatibilizers, surfactants, solubilizing agents, dispersing agents, cell stabilizers, cosmetics, polishing agents, medicaments, cleaners, fire-retarding agents, colorants, chemical sterilants, stabilizers, polyols, polyol premix components and combinations of two or more of these.~~

55. (Original) The composition of claim 54 having a Global Warming Potential (GWP) of not greater than about 150.

56. - 60. (Cancelled)

61. (Currently Amended) ~~The~~ A heat transfer composition of claim 54 further comprising the composition of claim 54 wherein said adjuvant includes at least one compatibilizer compatibilizer.
62. (Currently Amended) The heat transfer composition of claim ~~51-61~~ wherein said ~~HFO-1234yf~~ is present in an amount of at least about 50% by weight and said ~~lubricant~~ is present in an amount of at least about 30% by weight.

63. (Currently Amended) The composition of claim 54 wherein said lubricant is present in an amount of about 5% by weight of the composition. A blowing agent comprising the composition of claim 54 wherein said adjuvant includes polyol, polyol/polyol premix components and combinations of these.
64. (Currently Amended) The composition of claim 54 wherein said lubricant is present in an amount of about 20% by weight of the composition. A blowing agent comprising the composition of claim 54 wherein said HFC-1234yf is present in an amount of from about 5% by weight.
65. (Currently Amended) The composition of claim 54 wherein said lubricant is present in an amount of about 50% by weight of the composition. A sterilant composition comprising the composition of claim 54 wherein said adjuvant includes at least one chemical sterilant.
66. – 68. (Cancelled)
69. (Previously Presented) The composition of claim 54 wherein said composition is non-flammable.
70. – 75 (Cancelled)
76. (Previously Presented) The composition of claim 54 having a Global Warming Potential (GWP) of not greater than about 100.
77. (Previously Presented) The composition of claim 54 having a Global Warming Potential (GWP) of not greater than about 75.
78. (Cancelled)

79. (Previously Presented) The composition of claim 54 having an ODP of not greater than about 0.02.
80. (Cancelled)
81. (Currently Amended) The composition of claim 54 wherein ~~said composition is a refrigerant composition and~~ said HFO-1234yf comprises at least about 70 % by weight of the composition.
82. (Previously Presented) The composition of claim 61 wherein said compatibilizer is selected from the group consisting of propane, butane, pentane, and combinations of these.
83. – 84. (Cancelled)
85. (Previously Presented) The composition of claim 61 comprising ~~compatibilizer~~ compatibilizer in amounts of from about 0.5 to about 5 percent by weight of the composition.
86. - 90. Canceled
91. (Currently Amended) The composition of claim 54 having a capacity relative to HFC-134a of about 1 wherein said HFO-1234yf is present in the composition in an amount of at least about 50% by weight.
92. (Currently Amended) The composition of claim 54 having a COP relative to HFC-134a of about 1 wherein said HFO-1234yf is present in the composition in an amount of at least about 70% by weight.

93. (Currently Amended) ~~The A refrigerant comprising the composition of claim 54, said refrigerant comprising lubricant in an amount of from about 30 to about 50% by weight.~~
94. (Currently Amended) The composition of claim 54 further comprising a surfactant and a solubilizing agent.
95. (Currently Amended) The composition of claim 54 ~~comprising lubricant wherein said lubricant further comprises at least one is selected from the group consisting of polyol esters, poly alkylene glycols and combinations of these.~~
96. (Currently Amended) The composition of claim ~~54~~⁹⁵ having a Relative Capacity relative to based on HFC-134a of about 1 and having a COP relative to based on HFC-134a of about 1 wherein said lubricant comprises at least one polyalkylene glycol.
97. Cancelled
98. (Currently Amended) The composition of claim ~~54~~⁹⁵ wherein said composition has one liquid phase at at least one temperature between about -50°C and +70°C.
99. (Currently Amended) The composition of claim 54 ~~comprising lubricant and being stable when in contact with aluminum, steel and copper under the conditions of use in refrigeration and air conditioning systems.~~
100. – 129. (Cancelled)

130. (New) The composition of claim 54 wherein said fluorinated propene consists essentially of HFO-1234yf.
131. (New) The composition of claim 54 wherein said lubricant has a viscosity of from about 30 to about 150 centistokes at about 37°C
132. (New) The composition of claim 131 wherein said fluorinated propene consists essentially of HFO-1234yf.